

| <b>Search Notes</b><br>  |          |          |          | Application No.   | Applicant(s)    |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|---|----------|----------|----------|---|-----------------|-----------|----------|-----|-------|----------|-----|-----|------|----------|-----|-----|------|----------|-----|-----|------|----------|-----|-----|------|----------|-----|-----|-----|----------|-----|-----|-----|----------|-----|-----|-----|----------|-----|-----|-----|----------|-----|-----|--------|----------|-----|-----|-------|----------|-----|--|--|--|--|--|--|--|--|--|--|--|--|------|------|
|   |          |          |          | 10/613,465  | HETTRICH ET AL. |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          | Examiner  | Art Unit        |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          | Darren W Gorman   | 3752            |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| <b>SEARCHED</b>   |          |          |          | <b>SEARCH NOTES<br/>(INCLUDING SEARCH STRATEGY)</b>   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| <table border="1"> <thead> <tr> <th>Class</th> <th>Subclass</th> <th>Date</th> <th>Examiner</th> </tr> </thead> <tbody> <tr><td>239</td><td>*337*</td><td>1/6/2003</td><td>DWG</td></tr> <tr><td>239</td><td>338*</td><td>1/6/2003</td><td>DWG</td></tr> <tr><td>239</td><td>373*</td><td>1/6/2003</td><td>DWG</td></tr> <tr><td>239</td><td>350*</td><td>1/6/2003</td><td>DWG</td></tr> <tr><td>239</td><td>570*</td><td>1/6/2003</td><td>DWG</td></tr> <tr><td>239</td><td>302</td><td>1/6/2003</td><td>DWG</td></tr> <tr><td>239</td><td>349</td><td>1/6/2003</td><td>DWG</td></tr> <tr><td>239</td><td>353</td><td>1/6/2003</td><td>DWG</td></tr> <tr><td>239</td><td>569</td><td>1/6/2003</td><td>DWG</td></tr> <tr><td>222</td><td>321.7*</td><td>1/6/2003</td><td>DWG</td></tr> <tr><td>222</td><td>321.2</td><td>1/6/2003</td><td>DWG</td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> |          |          |          | Class   | Subclass        | Date      | Examiner | 239 | *337* | 1/6/2003 | DWG | 239 | 338* | 1/6/2003 | DWG | 239 | 373* | 1/6/2003 | DWG | 239 | 350* | 1/6/2003 | DWG | 239 | 570* | 1/6/2003 | DWG | 239 | 302 | 1/6/2003 | DWG | 239 | 349 | 1/6/2003 | DWG | 239 | 353 | 1/6/2003 | DWG | 239 | 569 | 1/6/2003 | DWG | 222 | 321.7* | 1/6/2003 | DWG | 222 | 321.2 | 1/6/2003 | DWG |  |  |  |  |  |  |  |  |  |  |  |  | DATE | EXMR |
| Class   | Subclass | Date     | Examiner |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| 239   | *337*    | 1/6/2003 | DWG      |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| 239   | 338*     | 1/6/2003 | DWG      |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| 239   | 373*     | 1/6/2003 | DWG      |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| 239   | 350*     | 1/6/2003 | DWG      |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| 239   | 570*     | 1/6/2003 | DWG      |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| 239   | 302      | 1/6/2003 | DWG      |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| 239   | 349      | 1/6/2003 | DWG      |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| 239   | 353      | 1/6/2003 | DWG      |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| 239   | 569      | 1/6/2003 | DWG      |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| 222   | 321.7*   | 1/6/2003 | DWG      |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| 222   | 321.2    | 1/6/2003 | DWG      |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          | Inventor Names Searched   | 1/6/2003        | DWG       |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          | Consulted Examiner Evans  | 1/6/2003        | DWG       |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          | Consulted Examiner Kaufman  | 1/6/2003        | DWG       |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          | Updated Search  | 5/20/2005       | DWG       |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          | <i>Contacted the office of<br/>Applicant's representative<br/>No reply filed to office<br/>action mailed 6/6/05</i> | <i>12/20/05</i> | <i>JW</i> |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          | <i>-Abandoned-</i>  |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| <b>INTERFERENCE SEARCHED</b>  |          |          |          |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| <table border="1"> <thead> <tr> <th>Class</th> <th>Subclass</th> <th>Date</th> <th>Examiner</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>   |          |          |          | Class   | Subclass        | Date      | Examiner |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
| Class   | Subclass | Date     | Examiner |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |
|   |          |          |          |   |                 |           |          |     |       |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |      |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |     |          |     |     |        |          |     |     |       |          |     |  |  |  |  |  |  |  |  |  |  |  |  |      |      |